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Datasheet for ABIN7275046

IGSF11 Protein (AA 23-241) (His tag)

3 Images

Overview

Quantity:	100 µg
Target:	IGSF11
Protein Characteristics:	AA 23-241
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGSF11 protein is labelled with His tag.

Product Details

Purpose:	Human IGSF11 Protein
Sequence:	Leu23-Gly241
Characteristics:	Recombinant Human IGSF11 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu23-Gly241.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 14.44 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

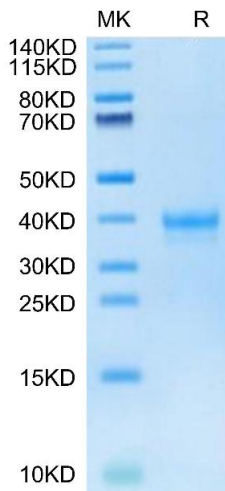
Target:	IGSF11
Alternative Name:	IGSF11 (IGSF11 Products)
Background:	Immunoglobulin superfamily member 11 (IgSF11), a homophilic adhesion molecule that preferentially expressed in the brain, is a dual-binding partner of the postsynaptic scaffolding protein PSD-95 and AMPA glutamate receptors (AMPA receptors).
Molecular Weight:	24.31 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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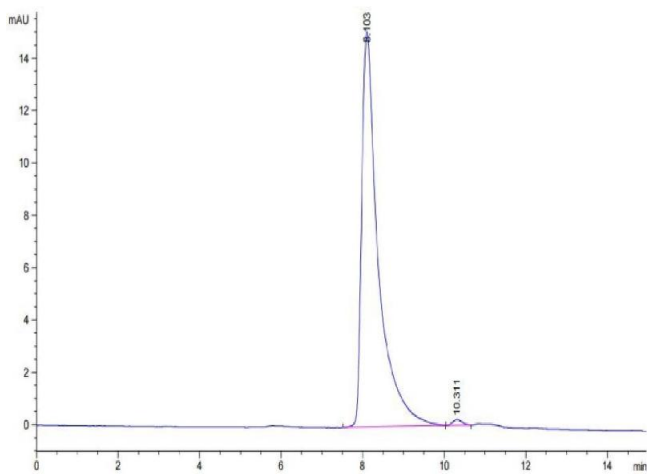
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



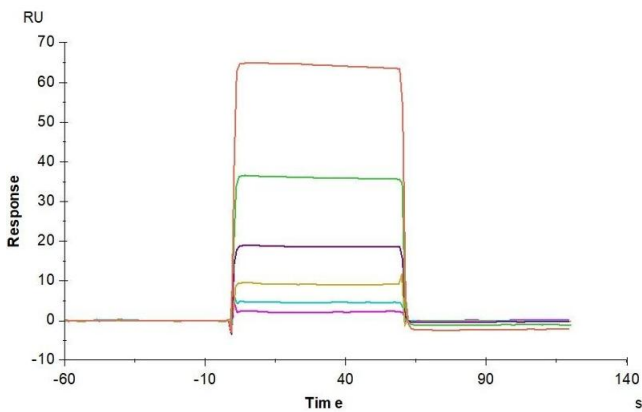
SDS-PAGE

Image 1. Human IGSF11 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IGSF11 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

Image 3. Human B7-H5, hFc Tag captured on CM5 Chip via Protein A can bind Human IGSF11, His Tag with an affinity constant of 14.44 μM as determined in SPR assay (Biacore T200).